**POP TEST – Linear Modeling ( / )**

1. Algebraic Modeling
   1. Using your best judgment draw a “line of best fit” on the graph. (1)
   2. Determine two points on your “line of best fit” and use those points to work out the equation of your best fit line. (The equation is in the form of y = mx+c where m is the gradient and c is the y-intercept). (5)
   3. From your equation interpolate the value of x when y = 10. (2)
   4. From your equation extrapolate the value of y when x = 53. (2)